

Material Safety Data Sheet

CertainTeed

DATE PREPARED: AUGUST 15, 1998

MSDS Number: CT 10053-1

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

CHEMICAL PRODUCT IDENTIFICATION

All types and grades of extruded PVC fencing products and accessories.

Chemical Name: None
CAS No: None
Common Name: None

MANUFACTURER INFORMATION

CertainTeed Corporation
750 E. Swedesford Road
P.O. Box 860
Valley Forge, PA USA 19482

Product Manager: (800) 333-0569 x253
Environmental Affairs: (610) 341-7505
Main Number: (800) 274-8530

EMERGENCY TELEPHONE: CHEMTREC (800) 424-9300

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name: Polyvinyl Chloride Compound (PVC)
CAS No: N/A
Common Name: PVC Compound
Percent in Product: 80-85% max by weight
Exposure Limits: OSHA PEL TWA ACGIH TLV TWA
Total Dust: 15 mg/m³ Total Dust: 10 mg/m³

Chemical Name: Vinyl Chloride
CAS No: 75-01-4
Common Name: Chloroethene
Percent in Product: Trace
Exposure Limits: OSHA PEL TWA ACGIH TLV TWA OSHA STEL
Vinyl Chloride: 1 ppm Vinyl Chloride: 5 ppm Vinyl Chloride: 5 ppm

3. HAZARD IDENTIFICATION

EMERGENCY OVERVIEW

	<u>Health</u>	<u>Fire</u>	<u>Reactivity</u>	Degree of Hazard
NFPA Rating:	2	1	0	0 – Minimal (Insignificant)
HMIS Rating:	0	0	0	1 – Slight
				2 – Moderate
				3 – Serious (High)
				4 – Severe (Extreme)
				* – Chronic Health Effect(s)

(see section 16 for acronyms)

POTENTIAL HEALTH EFFECTS

Primary Routes of Entry: Inhalation, skin and eye contact.

Acute Inhalation: Inhalation of dust may cause temporary nose, throat and respiratory discomfort.

Chronic Inhalation: None.

Acute Skin: Edges and corners can cut.

Chronic Skin: None.

Acute Eye Contact: Mishandling these products may result in traumatic eye injuries.

Chronic Eyes: None.

Acute Ingestion: No known effects.

Chronic Ingestion: None.

Medical Conditions Which May Be Aggravated: Bronchial asthma or other chronic obstructive respiratory diseases may be aggravated by the exposure to products of thermal decomposition if exposure is prolonged.

Carcinogenicity: None.

Mutagenicity: None.

Teratogenicity: None.

Toxicological Synergistic Products: None.

4. FIRST AID MEASURES

Inhalation: Remove to fresh air, get medical help.

Eye Contact: For dust in eye(s), flush eye(s) immediately with water, including under eyelids for at least 15 minutes. Contact a physician for further evaluation.

Skin Contact: No known effect.

Ingestion: Unlikely. Consult physician if ingestion occurs.

Fires: Move to fresh air. Administer oxygen and get medical help.

5. FIRE FIGHTING MEASURES

Flammable Limits: LEL: N/A UEL: N/A

Autoignition Temperature: N/A

Flash Ignition Temperature: 730°F – applies to rigid PVC

Extinguishing Media: Water spray. Dry chemical. Carbon dioxide may be ineffective on larger fires due to lack of cooling capacity which may result in reignition.

Special Fire Fighting Procedures: Firefighters should wear NIOSH/MSHA approved, self-contained breathing apparatus.

Unusual Fire and Explosion Hazard, Decomposition Products: Toxic or irritating vapors, including hydrogen chloride, carbon dioxide, carbon monoxide, small amounts of aliphatic hydrocarbons, aldehydes and other organic acids may be generated when the product is subject to heating or in a fire situation.

6. ACCIDENTAL RELEASE MEASURES

Spills/Leaks: N/A

Accidental or Unplanned Releases: N/A

7. HANDLING AND STORAGE

Handling: Do not use in applications where heavy structural loads must be supported or bracing is required, or directly adjacent to any high heat applications. See installation instructions for more details. Do not burn in fireplace.

Storage: No specific storage procedures required.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Personal Protective Equipment:

Respirators: Not normally required. Provide ventilation to control nuisance dust levels to worker exposure limits. For fire situations see section 4.

Eyes: Safety goggles or safety glasses with side shields.

Skin: Protective gloves when handling sharp edges.

Other Protection: Eye wash and safety shower.

Ventilation: Special ventilation is not normally required. However, efficient exhaust should be provided at all operations capable of creating fumes or vapors. Cutting, sawing, machining, heat welding, thermoforming and other operations involving heat sufficient to result in degradation should be examined to ensure adequate ventilation.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Solid

Boiling Point (°F): None

Melting Point (°F): N/A

Odor: None

% Solubility (H₂O): Insoluble

Appearance: Various colors of vinyl products.

Vapor Density (Air=1): N/A

Specific Gravity: 1.3 - 1.5 g/cm³

% Volatile by Volume: N/A

Vapor Pressure: N/A

10. REACTIVITY

Stability: Material is stable.

Corrosivity: None.

Incompatibility: None.

Reactivity: None.

Reactivity with water: None.

Explosion: Does not support rapid combustion; high dust levels may create potential for explosion.

11. TOXICOLOGICAL INFORMATION

All ingredients are chemically or physically bound during the manufacturing process to form a finished product. Sawing any of these products may produce nuisance dust. Historically, nuisance dusts have little adverse effect on lungs and do not produce significant organic disease or effect when exposures are kept under reasonable control.

12. ECOLOGICAL INFORMATION

No data.

13. WASTE DISPOSAL CONSIDERATIONS

Scrap material should be swept or scooped into a container for recycling or disposal. Dispose in accordance with applicable federal, state and local government regulations. Extruded vinyl materials are not listed as a hazardous substance by RCRA, Subpart C, 40 CFR 261.

This product should not be disposed of through burning or combustion due to potentially irritating by-products of combustion. See section 5 for a description of combustion by-products.

14. TRANSPORTATION INFORMATION

For domestic transportation purposes, these products are not defined or designated as a hazardous material by the U.S. Department of Transportation under Title 49 of the Code of Federal Regulations, 1983 Edition.

15. REGULATORY INFORMATION

This product is not manufactured with, nor does it contain any Class I Ozone depleting chemicals as defined by EPA in Title VI of the Clean Air Act Amendments of 1990 40 CFR Part 82, Protection of Stratospheric Ozone.

This product is not listed on EPA SARA Title III, Section 302 or 313.

This product is exempt from reporting under SARA Title III Sections 311 and 312 because it is regulated as an "article."

16. ADDITIONAL COMMENTS**Acronyms/definitions used in this MSDS:**

ACGIH:	American Conference of Governmental Industrial Hygienists
CAS No:	Chemical Abstracts Service Number
EPA:	Environmental Protection Agency
g/cm ³ :	Grams per cubic centimeter
HMIS:	Hazardous Material Identification System
IARC:	International Agency for Research on Cancer
lb/ft ³ :	Pounds per cubic foot
LEL:	Lower Explosive Limit
mg/m ³ :	Milligrams per cubic meter
MSHA:	Mine Safety & Health Administration
N/A:	Not Applicable
NFPA:	National Fire Protection Association
NIOSH:	National Institute for Occupational Safety and Health
NTP:	National Toxicology Program
OSHA:	Occupational Safety and Health Administration
PEL:	Permissible Exposure Limit
ppm:	Parts per million
RCRA:	Resource Conservation and Recovery Act
SARA:	Superfund Amendments and Reauthorization Act
Title III:	Emergency Planning and Community Right to Know Act Section 302 – Extremely Hazardous Substances Section 313 – Toxic Chemicals
TLV:	Threshold Limit Value
TWA:	Time Weighted Average
UEL:	Upper Explosive Limit

Respirable Dust: The respirable fraction of suspended airborne particulates.

Total Dust: Suspended airborne particles of “nuisance” dusts including those of non-respirable size.